

# Common Alloys of Various Metals

<b>Gold (Au)</b>	10k	10 parts Gold	14 parts Ag or Cu
		41.67% Gold	58.33% Ag or Cu
	14k	14 parts Gold	10 parts Ag or Cu
		58.33% Gold	41.67% Ag or Cu
	18k	18 parts Gold	6 parts Ag or Cu
		75.00% Gold	25.00% Ag or Cu
	22k	22 parts Gold	2 parts Ag or Cu
		91.67% Gold	8.33% Ag or Cu
	24k	24 parts Gold	0 parts Ag or Cu
		100.00% Gold	0.00% Ag or Cu

Other Possible Gold Alloy metals  
 Nickel – White  
 Aluminum – White  
 Zinc – White /Durability  
 Manganese – White  
 Cadmium – Green

<b>Silver (Ag)</b>	Sterling	92.50% Silver	7.50% Copper
	Britannia	95.84% Silver	4.16% Copper
	Argentium	92.50% Silver	7.50% Germanium
	US Coins Pre-1964	90.00% Silver	10.00% Copper

Other Possible Ag Alloy metals  
 Germanium  
 Silicon  
 Zinc  
 Platinum  
 Boron

<b>Copper (Cu)</b>	Brass	Copper	Zinc
	Bronze	Copper	Tin

Other Possible Cu Alloy metals  
 Nickel  
 Aluminum  
 Zinc  
 Silicon  
 Phosphorous  
 Lead – malleable  
 Manganese  
 Iron

<b>Tin (Sn)</b>	Pewter	Tin (Sn)	Copper (Cu)
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Other Possible Sn Alloy metals  
 Antimony  
 Bismuth  
 Lead

<b>Aluminum (Al)</b>	1000 Series	Aluminum (Al)	-
	2000 Series	Aluminum (Al)	Copper (Cu)
	3000 Series	Aluminum (Al)	Manganese (Mn)
	4000 Series	Aluminum (Al)	Silicon (Si)
	5000 Series	Aluminum (Al)	Magnesium (Mg)
	6000 Series	Aluminum (Al)	Mg and Si
	7000 Series	Aluminum (Al)	Zinc (Zn)
	8000 Series	Aluminum (Al)	Lithium (Li)

Other Possible Al Alloy metals  
 Iron  
 Chromium  
 Vanadium  
 Scandium

<b>Iron (Fe)</b>	Mild Carbon Steel	99.95% Iron (Fe)	0.05% Carbon (C)
	Medium CS	99.71% Iron (Fe)	0.29% Carbon (C)
	High CS	99.45% Iron (Fe)	0.55% Carbon (C)
	Very High CS	99.04% Iron (Fe)	0.96% Carbon (C)
	Stainless Steel	89.00% Iron (Fe)	11.00% Chromium (Cr)
	Spring Steel	98.50% Iron (Fe)	1.50% C and Si
	Wrought Iron	99.992% Iron (Fe)	0.008% Carbon (C)
	Cast Iron	94.00% Iron (Fe)	6.00% C and Si

Other Possible Fe Alloy metals  
 Manganese  
 Silicon  
 Chromium  
 Molybdenum  
 Vanadium  
 Boron